

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

ORDER NO. 78-51

NPDES PERMIT NO. CA0038431

AN ORDER AMENDING ORDER NO. 76-87 FOR:

SANTA CLARA VALLEY WATER DISTRICT  
AQUIFER RECLAMATION EXTRACTION WELLS  
PALO ALTO, SANTA CLARA COUNTY

The California Regional Water Quality Control Board San Francisco Bay Region, finds that:

1. This Regional Board on August 17, 1976, adopted Order No. 76-87 prescribing waste discharge requirements for the Santa Clara Valley Water Districts (hereinafter called the discharger).
2. Order No. 76-87 contains findings that the discharger proposes to discharge from all the ejection wells to Mountain View Slough. The discharger has informed the Board by letter dated March 30, 1978, that it is now proposed to conduct a pilot injection/extraction study at wells I-1/E-1 with discharge to a storm drain leading to an arm of Mayfield Slough southerly of the Palo Alto Municipal Airport. This proposed discharge of up to 220,000 gallons per day of extraction wastewater would continue for approximately a year until the collection system allowing discharge to Mountain View Slough is completed.
3. Adding a new point of discharge requires an amendment to Findings No. 3 and 5 of Order No. 76-87.
4. The amendment of waste discharge requirements for this discharge is exempt from the provisions of Chapter 3 (commencing with Section 21000) of Division 13 of the Public Resources Code in accordance with Water Code Section 13389.
5. The Board has notified the discharger and interested agencies and persons of its intent to amend waste discharge requirements for the discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
6. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED that the Regional Board amends Order No. 76-87 as follows:

Findings 3 and 5 are amended to read as follows:

"3. The injection of reclaimed water is not proposed for supplementing any aquifer used for domestic supply. The extraction well system is intended to prevent any injected water from mixing with aquifers suitable for domestic use. Approximately two million gallons per day will be pumped from the extraction wells. Initially, the discharger proposes to conduct a pilot injection/extraction program for up to a year at wells I-1/E-1. The discharger's pilot program proposes to discharge up to 220,000 gallons per day to a storm drain leading to an arm of Mayfield Slough southerly of the Palo Alto Municipal Airport. By early 1979 the discharger will have built a collection system to discharge the extraction wastewater from all the wells and then proposes to discharge to Mountain View Slough. The pilot study and final discharge locations are shown on Attachment A. This order prescribes discharge requirements for the disposal of the extraction well wastewater."

...

"5. The beneficial uses of the affected parts of Mountain View Slough, Mayfield Slough, and San Francisco Bay are:

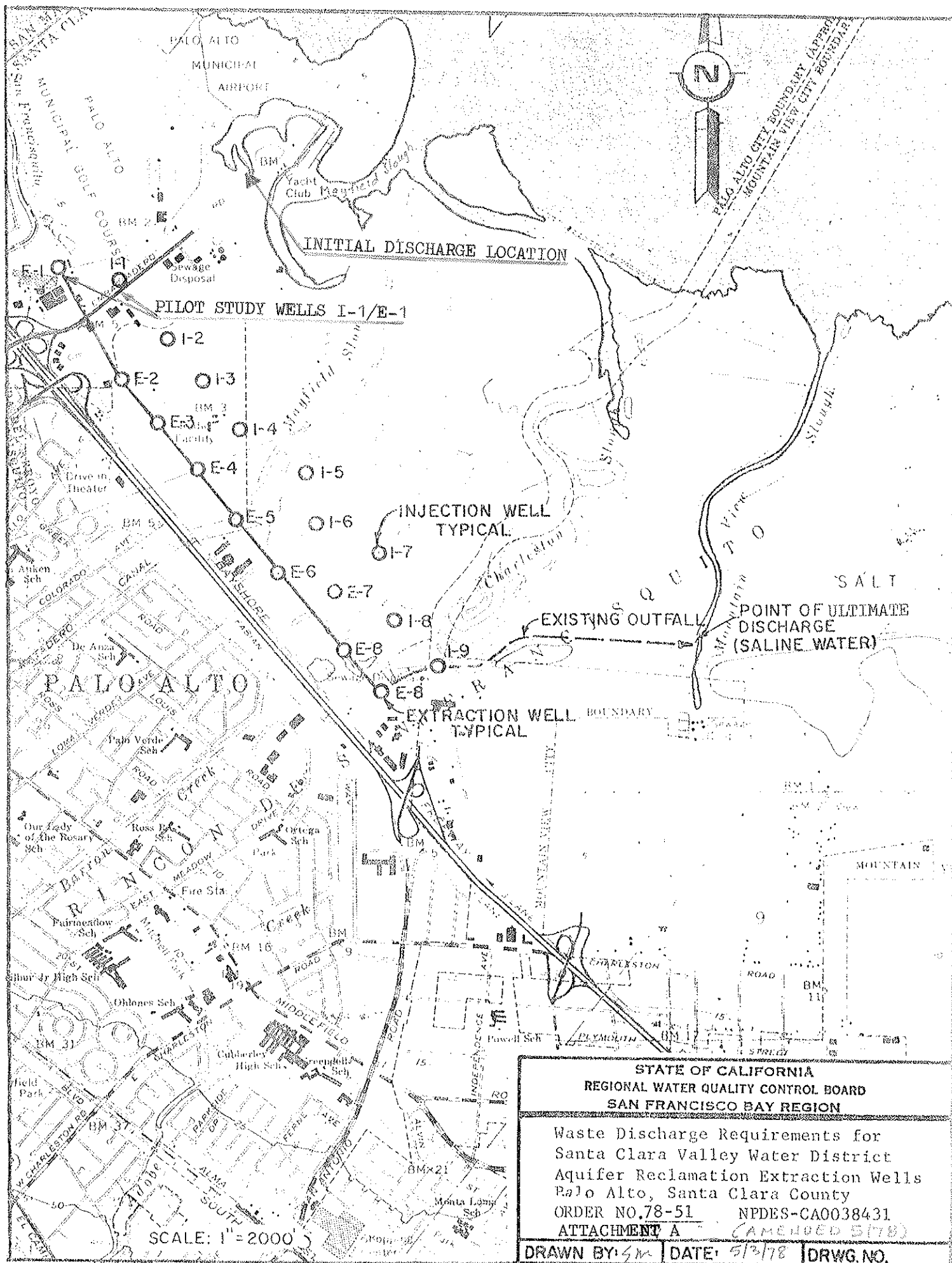
- a. Recreation
- b. Fish migration and habitat
- c. Habitat and resting for waterfowl and migratory birds
- d. Industrial water supply
- e. Esthetic enjoyment
- f. Navigation
- g. Commercial and sport fishing"

I, Fred H. Dierker, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region on July 18, 1978.

FRED H. DIERKER  
Executive Officer

Attachments:

- A - Map (amended)
- Self-Monitoring Program (amended)



CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM  
FOR

SANTA CLARA VALLEY WATER DISTRICT

AQUIFER RECLAMATION EXTRACTION WELLS

PALO ALTO, SANTA CLARA COUNTY

NPDES NO. CA 0038431

ORDER NO. 78-51

(adopted 8/17/76)

(revised 7/18/78)

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM

FOR

SANTA CLARA VALLEY WATER DISTRICT  
AQUIFER RECLAMATION WELLS  
PALO ALTO, SANTA CLARA COUNTY

A. GENERAL

Reporting responsibilities of waste dischargers are specified in Sections 13225(a), 13267(b), 13268, 13383, and 13387(b) of the California Water Code and this Regional Board's Resolution No. 73-16.

The principal purposes of a monitoring program by a waste discharger, also referred to as a self-monitoring program, are:

1. To document compliance with waste discharge requirements and prohibitions established by this Regional Board,
2. To facilitate self-policing by the waste discharger in the prevention and abatement of pollution arising from waste discharge,
3. To develop or assist in the development of effluent or other limitations, discharge prohibitions, national standards of performance, pretreatment and toxicity standards, and other standards, and,
4. To prepare water and wastewater quality inventories.

B. MONITORING PROGRAM

I. Description of Sampling Stations

- |     |   |
|-----|---|
| G-1 | At any point in the effluent waste stream that contains the combined wastewater from all the extraction wells.        |
| C-1 | At a point in Mountain View Slough approximately 100 feet down current from the point of discharge.                   |
| C-R | At a point in Mountain View Slough, 200 feet upcurrent from the point of discharge and not affected by the discharge. |

## II. Schedule of Sampling and Analysis

Sampling Stations	All G Stations	All C Stations
Type of Sample	Grab or Continuous as noted	Grab
Flow Rate (mgd)	Continuous	N/A
pH (Units)	Continuous	Q
Temperature ( C)	Continuous	
Dissolved Oxygen (mg/l)	W (Grab)	Q
Conductivity ( umhos/cm)	M (Grab)	Q

M = one sample for month    W = one sample per week

Q = one sample every three months

Beginning with the April-June 1980 sampling period, receiving water samples shall be collected at or near the lowest tidal level where there is naturally occurring water in Mountain View Slough at the point of discharge. The following quarter samples shall be collected at high tide and thereafter low and high tide sampling times shall be alternated each quarter.

When receiving water samples are taken, effluent samples shall be taken on the same day and hour. When receiving water samples are taken the following condition shall be noted and reported:

1. Time of sampling.
2. Times and elevations of high and low tides on the day of sampling.

Receiving water to be sampled only during periods of discharge to Mountain View Slough.

### C. REPORTS TO BE FILED WITH THE REGIONAL BOARD

#### 1. Violations of Requirements

In the event the discharger is unable to comply with the conditions of the waste discharge requirements and prohibitions due to:

- (a) Maintenance work, power failures, or breakdown of waste treatment equipment, or
- (b) Accidents caused by human error or negligence, or
- (c) Other causes, such as acts of nature,

the discharger shall notify the Regional Board Office by telephone as soon as he or his agents have knowledge of the incident and confirm this notification in writing within two weeks of the telephone notification. The written report shall include pertinent information explaining reasons for the non-compliance and shall indicate what steps were taken to prevent the problem from recurring.

2. Self-Monitoring Reports

Written reports shall be filed by calendar quarters by the fifteenth day of the month following the quarter. The reports shall be in letter form, and shall specifically cover each point in the Monitoring Program (Part B). Any violations shall be clearly identified, and actions taken or planned for correcting violations shall be included. Monitoring reports shall be signed:

- (a) In the case of corporations, by a principal executive officer at least at the level of vice-president or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which the discharge originates, or
- (b) In the case of a partnership, by a general partner, or
- (c) In the case of a sole proprietorship, by the proprietor.

The letter shall contain a statement by the official, under penalty of perjury, that to the best of the signer's knowledge the report is true and correct.

I, Fred H. Dierker, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

- 1. Has been developed in accordance with the procedure set forth in this Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No. 76-87 and amended by Order No. 78-51.
- 2. Was originally ordered by the Executive Officer on August 17, 1976 amended July 18, 1978 and becomes effective on the date shown below.
- 3. May be reviewed by the Executive Officer at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger and revisions will be ordered by the Executive Officer.

FRED H. DIERKER  
Executive Officer

Effective Date May 1, 1980